

IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-15 (Cancelled)

16. (New) A heating apparatus, comprising:

 a heating element that is heated by electromagnetic induction through an action of a magnetic field;

 an exciting coil that is disposed along the heating element and generates the magnetic field which acts on the heating element; and

 a detection section that is disposed adjacent to the exciting coil and is made of a magnetic member that detects an abnormally high temperature in the heating element,

 wherein the detection section is disposed at a position drifted to an inner side of a magnetic path of the magnetic field.

17. (New) The heating apparatus according to claim 16, further comprising:

 a center core made of a ferromagnetic member disposed in a center area of the exciting coil; and

 a side core made of a ferromagnetic member disposed on an outer side of the exciting coil,

 wherein the exciting coil comprises a winding bundle of a conductor wire on the center core side and a winding bundle of a conductor wire on the side core side; and

 wherein the detection section is interposed between the winding bundle on the center core side and the winding bundle on the side core side.

18. (New) The heating apparatus according to claim 17,
wherein a height of the detection section is lower than a height of the center core and the side core.
19. (New) The heating apparatus according to claim 16, further comprising:
a center core made of a ferromagnetic member disposed in a center area of the exciting coil,
wherein the detection section is interposed between the exciting coil and the center core.
20. (New) The heating apparatus according to claim 19,
wherein a height of the detection section is lower than a height of the center core.
21. (New) The heating apparatus according to claim 16, further comprising:
a side core made of a ferromagnetic member disposed in an outer side of the exciting coil;
wherein the detection section is interposed between the exciting coil and the side core.
22. (New) The heating apparatus according to claim 21,
wherein a height of the detection section is lower than a height of the side core.
23. (New) The heating apparatus according to claim 16, further comprising:
an opposed core forming part of the magnetic path and disposed on an opposite side of the exciting coil with respect to the heating element.

24. (New) The heating apparatus according to claim 16,
wherein the exciting coil is made of winding conductor wires; and
wherein the conductor wire in an area where the detection section is disposed are parallel
to each other in a longitudinal direction of the heating element.
25. (New) The heating apparatus according to claim 16,
wherein the exciting coil is symmetric with respect to a center area of the exciting coil.
26. (New) The heating apparatus according to claim 16,
wherein the detection section comprises at least one thermostat.
27. (New) A fixing apparatus that comprises the heating apparatus according to claim 16.
28. (New) An image forming apparatus that comprises the fixing apparatus according to
claim 27.